

Abstract**Level measuring instrument**

The invention specifies a level measuring instrument operating with microwaves which transmits highly focussed microwaves in the transmission direction during operation and has an antenna (9) with a low space requirement, having a microwave generator (13) for producing microwaves at frequencies of greater than 40 GHz, an antenna (9, 9a) which is powered by the microwave generator (13) and is used to transmit the microwaves in the direction of the filled product, an antenna (9, 9b) which is used to receive microwaves reflected at a filled product surface, and a reception and evaluation circuit (15) which ascertains a transit time for the microwaves and uses this to determine the present level.